MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Overhead Door Corporation
2501 South State Highway 121, Suite 200
Lewisville, TX 75067

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series 170/180 Steel Sectional Garage Door up to 9'-0" Wide with Optional EPS Insulation and Impact Resistant Glazing

APPROVAL DOCUMENT: Drawing No. **411055**, titled "Series 170, 180WL, WS9, 9' Max. Wide", sheets 1 through 3 of 3, dated 07/15/2011, with revision P3 11/14/2014, prepared by Overhead Door Corporation, signed and sealed by Dwayne J. Kornish, P.E., bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large & Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, manufacturing address, model/series number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 14-0825.05** and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

08/24/2016

NOA No: 16-0617.06
Expiration Date: September 8, 2021
Approval Date: September 1, 2016

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **411055**, titled "Series 170, 180WL, WS9, 9' Max. Wide", sheets 1 through 3 of 3, dated 07/15/2011, with revision P3 11/14/2014, prepared by Overhead Door Corporation, signed and sealed by Dwayne J. Kornish, P.E.

B. TESTS *"Submitted under NOA # 11-0211.03"*

1. Test report on 1) Uniform Static Air Pressure Test, per FBC, TAS 202-94
   2) Large Missile Impact Test, per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading Test, per FBC, TAS 203-94,
   along with marked-up drawings of a 9'x 7' Model 8024/8124 Galvanized Steel Sectional Door System, prepared by Certified Testing Laboratories, Inc., Test Report No. **CTLA 2047W-3**, dated 05/21/2007, signed and sealed by Ramesh Patel, P.E.
2. Test report on 1) Uniform Static Air Pressure Test, per FBC, TAS 202-94
   2) Large Missile Impact Test, per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading Test, per FBC, TAS 203-94,
   along with marked-up drawings of a 9'x 7' Model 8024/8124 Galvanized Steel Sectional Door System with Impact Resistant Glazing, prepared by Certified Testing Laboratories, Inc., Test Report No. **CTLA 2049W-2**, dated 11/09/2007, signed and sealed by Ramesh Patel, P.E.
3. Test report on Forced Entry Resistance per FBC, TAS 202-94 of a 16'x7' Series 180 Sectional Residential Steel Door, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1016**, dated 05/26/2001, signed and sealed Arshad Viqar, P.E.
4. Test report on Tensile Test, per ASTM E8 on embossed steel, prepared by Certified Testing Laboratories, Inc., Report No. **CTLA 1672W**, dated 05/22/2007, signed and sealed by Ramesh Patel, P.E.
5. Test report on salt spray exposure, per ASTM B117 on G30, G40 and G90 coupons, prepared by Environmental Testing Laboratory, Inc, Report No. **9100550287**, dated 03/13/2006, signed by Brady Richard.

C. CALCULATIONS *"Submitted under NOA # 11-0211.03"*

1. Anchor calculations and commercial track design verification prepared by Overhead Door Engineering, dated 02/08/2011, signed and sealed by LeRoy Krupke, P.E.

08/24/2016

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 16-0617.06
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D. MATERIAL CERTIFICATIONS

1. Test report on Self Ignition Temperature per ASTM D1929 of EPS foam plastic, prepared by Omega Point Laboratories, dated 05/17/1991, signed by William E. Fitch, P.E.
2. Test report on Surface Burning Characteristics (Flame Spread and Smoke Density Index) per ASTM E84 of EPS foam plastic, prepared by Omega Point Laboratories, dated 07/30/2001, signed by William E. Fitch, P.E.
3. Notice of Acceptance No. **12-0605.05,** issued to Bayer MaterialScience LLC, for their Makrolon Polycarbonate Sheets, approved on 12/06/2012 and expiring on 08/27/2017.

E. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

F. STATEMENTS *"Submitted under NOA # 14-0825.05"*

1. Statement letter of code conformance to 2010 and 5th edition (2014) FBC issued by Overhead Door Corporation, dated 11/14/2014, signed and sealed by Mark A. Sawicki, P.E.

"Submitted under NOA # 11-0211.03"

2. No financial interest letter issued by Overhead Door Corporation, dated 08/08/2011, signed and sealed by LeRoy Krupke, P.E.

08/24/2016

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 16-0617.06
Expiration Date: September 8, 2021
Approval Date: September 1, 2016

NOTES

NOTES:
1. IMPACT RESISTANT GLAZING SYSTEM MAY BE INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS). GLAZING SHALL BE 1/4" MAKROLON-AR POLYCARBONATE OR EQUAL(MIAMI-DADE APPROVED). MAXIMUM GLAZING DIMENSIONS SHALL BE 18.56" x 12.26". SEE DETAIL A ON SHEET 2 FOR ASSEMBLY DETAILS. P2 P3

2. VINYL OR WOOD DOOR STOP NAILED A MAXIMUM OF 6" O.C. MUST OVERLAP TOP AND BOTH ENDS OF PANELS MINIMUM 7/16" TO MEET NEGATIVE PRESSURES.

3. KEY LOCK, SLIDE LOCK, OR OPERATOR REQUIRED.

4. SECTION STEEL TO HAVE A MINIMUM 24 GA THICKNESS WITH A MINIMUM G40 COATING AND A MINIMUM YIELD STRENGTH OF 33.8 KSI.

5. THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.

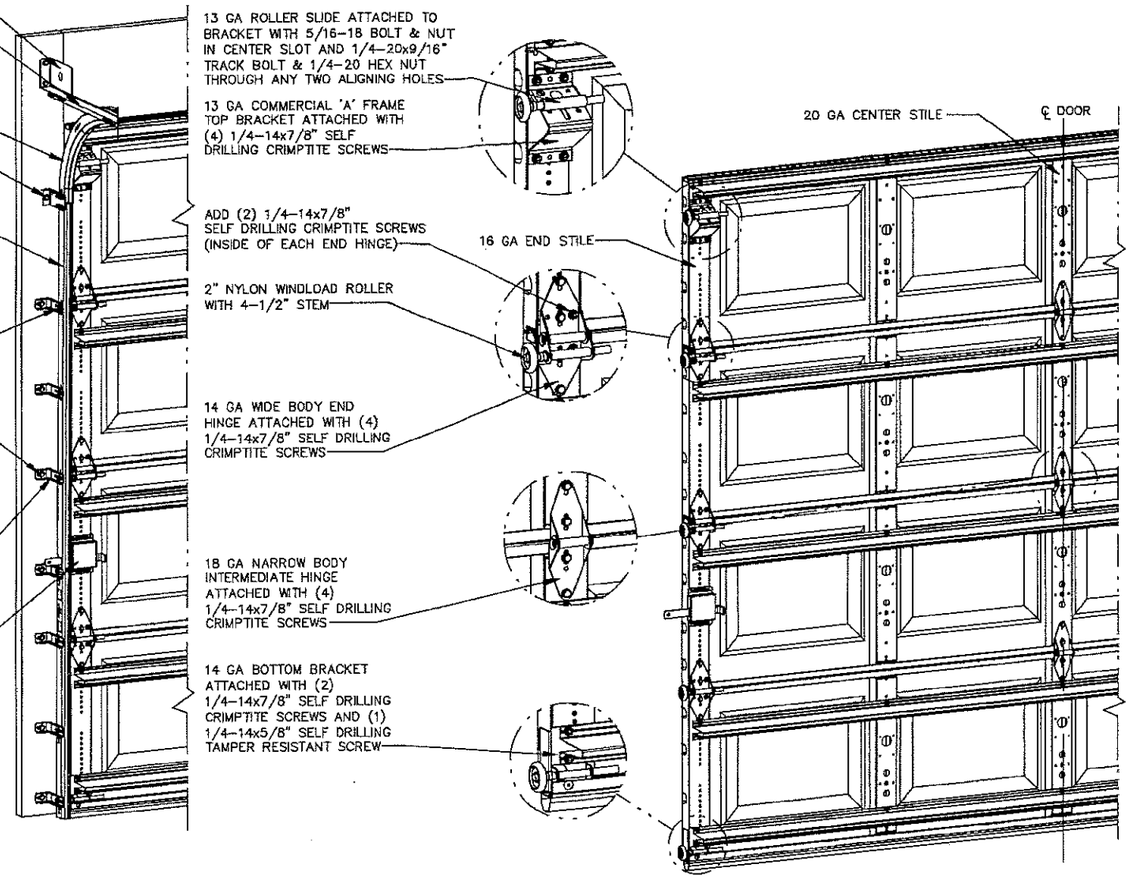
6. WOOD SUBSTRATE FOR DOOR JAMB IS TO BE MINIMUM 2x6 NO. 3 SOUTHERN PINE. REFER TO SHEET 3 FOR ATTACHMENT TO SUPPORTING STRUCTURE. FOR DIRECT MOUNTING OF JAMB BRACKETS TO OTHER SUBSTRATES, SEE JAMB DETAIL SHEET 2. FOR MOUNTING OF CONTINOUS WALL ANGLE, SEE CONTINOUS WALL ANGLE DETAIL SHEET 3. P1

7. FOR LOW HEAD ROOM LIFT CONDITIONS, TOP BRACKET SHALL BE A 13 GA LHR 7/4 TOP BRACKET WITH A MINIMUM OF (3) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS IN LIEU OF THE BRACKET SHOWN ON THIS DRAWING. U-BAR ON TOP SECTION SHALL BE INSTALLED ON TOP OF LHR TOP BRACKETS.

8. LOUVERS MAY BE INSTALLED ON THE DOOR IF THE TOTAL AREA OF THE LOUVER DOES NOT EXCEED 60 SQUARE INCHES. P2

9. IN LIEU OF THE SHORT PANEL EMBOSSMENT SHOWN, LONG PANEL EMBOSSMENT, OR NO EMBOSSMENT MAY BE USED.

10. THIS GARAGE DOOR HAS NOT BEEN TESTED FOR AIR INFILTRATION. P3



NOTE: (4) SECTION SOLID DOOR SHOWN. SEE SHEET 2 FOR U-BAR LOCATIONS ON DOORS WITH OTHER SECTION QUANTITIES AND SEE NOTE 1 THIS SHEET FOR GLAZING OPTIONS.

REVISIONS				
BY	REV	DESCRIPTION	DATE	APPROVAL
S00B69	–	RELEASE PER ER	07/15/11	SFT
–	P3	CHANGES PER MIAMI DADE	11/14/14	GRT
	D	REV MODELS & LISENCE #	8-10-16	GAC

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 16-0617.06
Expiration Date 09/08/2021
By
Miami-Dade Product Control

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE		
DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
8'-0"	ALL	+184.0/-208.0
9'-0"	ALL	+207.0/-234.0

JAMB BRACKET SCHEDULE

DOOR HEIGHT	NO. OF SECTIONS	NO. OF JAMB BRACKETS (EACH JAMB)	LOCATION OF CENTERLINE OF JAMB BRACKETS MEASURED FROM BOTTOM OF TRACK (ALL DIMENSIONS ± 2")
6'-6"	4	7	2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 39" (JB-US), 48" (JB-US), 57-1/4" (JB-US)
7'-0"	4	7	2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 42" (JB-US), 52-1/2" (JB-US), 63-1/4" (JB-US)
7'-6"	5	8	2" (JB-US), 10" (JB-US), 18-3/4" (JB-US), 26-3/4" (JB-US), 36" (JB-US), 45" (JB-US), 54-1/4" (JB-US), 74-1/2" (JB-US)
8'-0"	5	8	2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 39" (JB-US), 48" (JB-US), 57-1/2" (JB-US), 75-1/2" (JB-US)
> 8'-0"			SEE NOTE BELOW

NOTE:
(JB-US) FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4-20x9/16" TRACK BOLT AND NUT AS SHOWN ABOVE.

ALL DOORS GREATER THAN 8' IN HEIGHT OR WITH DECORATIVE OVERLAY REQUIRE USE OF CONTINUOUS WALL ANGLE. SEE SHEET 3 FOR DETAILS. P1

APPROVED DESIGNS	
MODEL	CONFIGURATION DESIGN (EMBOSSMENT)
173	SHORT PANEL
174	LONG PANEL
176	V5 SHORT PANEL
183	SHORT PANEL- INSULATED *
184	LONG PANEL- INSULATED *
186	V5 SHORT PANEL- INSULATED *

* INSULATION IS EXPANDED POLYSTYRENE IN COMPLIANCE WITH CHAPTER 26 OF THE FBC. P3

D

SERIES 173-176, 183-186

STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE(PSF): 46/-52	MAX WIDTH: 9'
	MAX HEIGHT: 14'
IMPACT/CYCLIC RATED: YES (HVHZ)	MAX SECTION HEIGHT: 21"

DWAYNE J KORNISH LICENSE No. 77945 STATE OF FLORIDA PROFESSIONAL ENGINEER
8/11/2016

DWAYNE J. KORNISH, PE
2501 S. STATE HWY 121, SUITE 200
LEWISVILLE, TX 75067
FL PE 77945 D

REF DWG | USED ON

THIRD ANGLE PROJECTION

ASME Y14.100 AND Y14.5 APPLY, UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.

TOLERANCES UNLESS OTHERWISE SPECIFIED
HOLE DIAMETER
UNDER .251 +.004/-.003
.251 TO .500 +.006/-.003
OVER .500 +.008/-.005
FRACTIONS ± 1/16
WHOLE NUMBERS: ± .25
.X ± .1
.XX ± .03
.XXX ± .010
ANGLES: ± .5'

FINISH N/A
UNIT OF MEASURE EACH

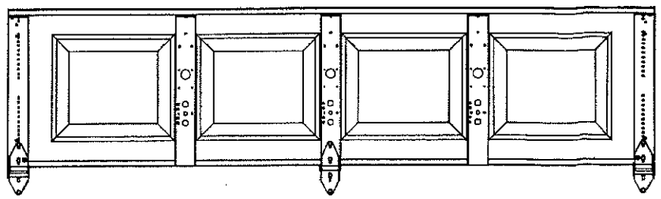
The Genuine. The Original. LEWISVILLE, TEXAS
MATERIAL: NONE

NAME	DATE
DRAWN BY: M. SAWICKI	11/30/10
CHECKED BY: G. FINERAN	7/15/11
APPROVED BY: F. TJONG	7/15/11

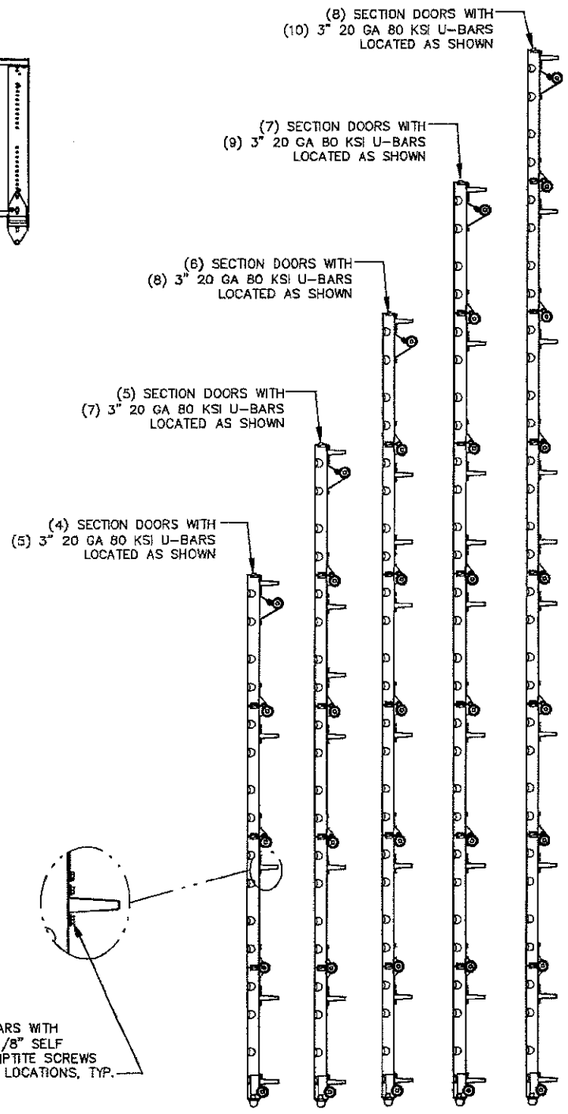
DRAWING TITLE: SERIES 170, 180WL WS9, 9' MAX WIDE
DRAWING NUMBER D-411055
SCALE: 1/2 SHEET 1 OF 3

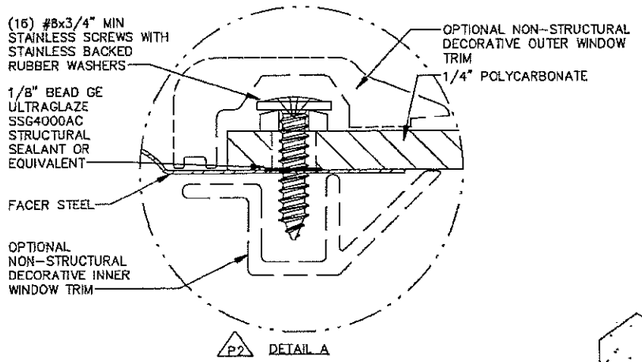
▷ NOTES

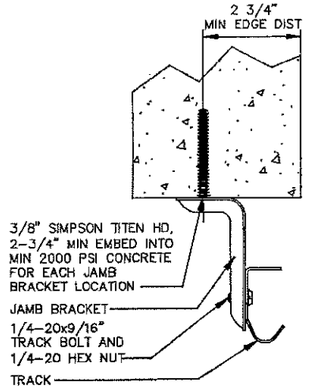
CENTER STILE & INTERMEDIATE HINGE LOCATIONS



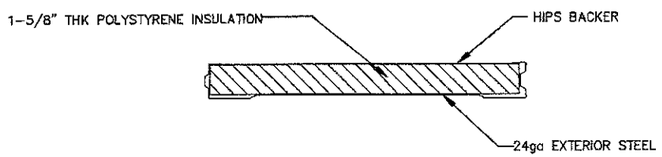
U-BAR LOCATIONS







CONCRETE MOUNTING DETAIL



SECTION CUTAWAY FOR 180 SERIES

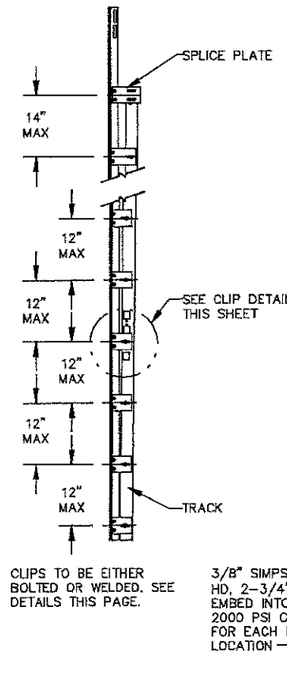
PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 16-0617.06
Expiration Date 09/08/2021
By Miami-Dade Product Control

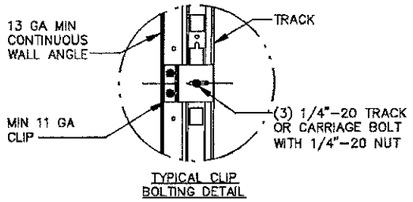
DWAYNE J KORNISH LICENSE No. 77945 STATE OF FLORIDA PROFESSIONAL ENGINEER
8/11/2016

DWAYNE J. KORNISH, PE
2501 S. STATE HWY 121, SUITE 200
LEWISVILLE, TX 75067
FL PE 77945 D

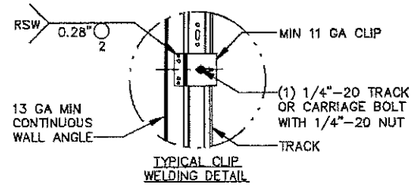
REF DWG	USED ON
THIRD ANGLE PROJECTION	ASME Y14.100 AND Y14.5 APPLY, UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.
TOLERANCES UNLESS OTHERWISE SPECIFIED	HOLE DIAMETER: UNDER .251 +.004/-.003; .251 TO .500 +.006/-.003; OVER .500 +.008/-.003; FRACTIONS ± 1/16; WHOLE NUMBERS: ± .25; .X ± .1; .XX ± .03; .XXX ± .010; ANGLES: ± .5'
FINISH	N/A
UNIT OF MEASURE	EACH
The Genuine, The Original. LEWISVILLE, TEXAS	
MATERIAL:	NONE
NAME / DATE	DRAWN BY: M. SAWICKI 11/30/10; CHECKED BY: G. FINERAN 7/15/11; APPROVED BY: F. TJONG 7/15/11
DRAWING TITLE:	SERIES 170, 180WL WS9, 9' MAX WIDE
DRAWING NUMBER	D-411055
SCALE 1/2	SHEET 2 OF 3

NOTES

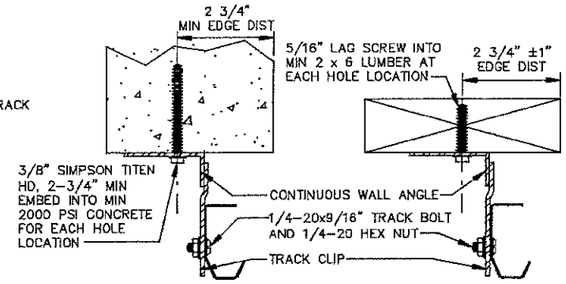




TYPICAL CLIP BOLTING DETAIL



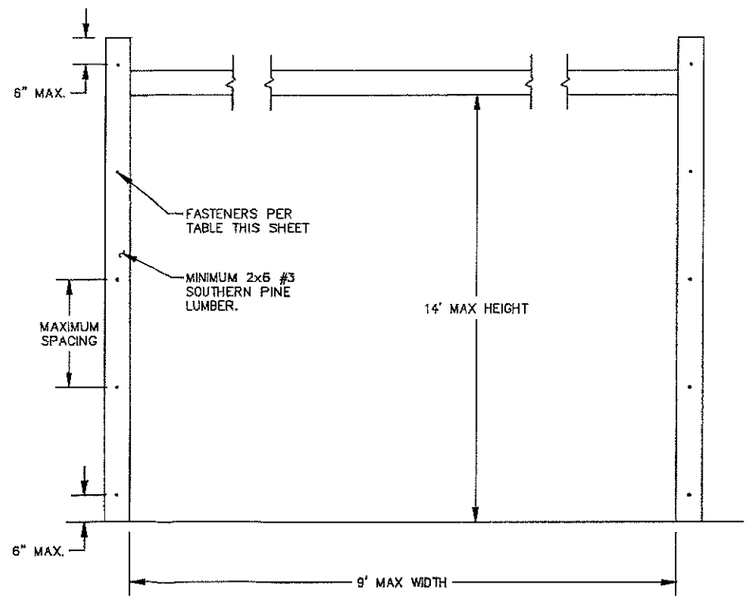
TYPICAL CLIP WELDING DETAIL



⚠P1 CONTINOUS WALL ANGLE DETAILS

MAX SPACING OF ANCHORS/SCREWS PER JAMB (IN)		
3/8" SIMPSON TITEN HD SCREW ANCHOR TO MINIMUM 2000 PSI CONCRETE (SEE NOTE 1 BELOW)	3/8" SIMPSON TITEN HD SCREW ANCHOR TO MINIMUM 2000 PSI GROUT FILLED CMU (SEE NOTE 2 BELOW)	3/8" X 3" LONG LAG SCREW (SEE NOTE 3 BELOW)
24	24	24

1. BASED ON 3/8" SIMPSON TITEN HEAVY DUTY SCREW ANCHOR WITH A 1" O.D. WASHER INTO CONCRETE WITH A MINIMUM EMBEDMENT DEPTH OF 2-3/4" AND A MINIMUM EDGE DISTANCE OF 2-3/4".
2. BASED ON 3/8" SIMPSON TITEN HEAVY DUTY SCREW ANCHOR WITH A 1" O.D. WASHER INTO GROUT FILLED CMU WITH A MINIMUM EMBEDMENT DEPTH OF 2-3/4", A MINIMUM EDGE DISTANCE OF 4", AND A MINIMUM END DISTANCE OF 4". CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 AND GROUT SHALL CONFORM TO ASTM C476.
3. BASED ON 3/8" DIAMETER x 3" LONG LAG SCREWS WITH 1" O.D. WASHERS WITH A 1-9/32" THREAD PENETRATION INTO SEASONED DRY WOOD SUPPORTING STRUCTURE.
4. PROVIDE QUANTITY OF SCREW ANCHORS OR LAG SCREWS AS REQUIRED TO MAINTAIN MAXIMUM SPACING AS SHOWN IN TABLE WITH A MINIMUM OF THREE (3) SCREW ANCHORS OR LAG SCREWS PER JAMB. SCREW ANCHORS OR LAG SCREWS AT TOP AND BOTTOM OF JAMB SHALL BE PLACED A MAXIMUM OF 6" FROM THE END OF THE JAMB.
5. LOAD PER JAMB CALCULATED TO BE A MAXIMUM OF +207.0/-234.0 LBS PER FOOT.
6. CHART INCLUDES A SAFETY FACTOR OF 4.
7. DOOR JAMB TO BE MINIMUM 2x6 NO. 3 SOUTHERN PINE LUMBER (MIN) MOUNTED DIRECTLY TO SUPPORT STRUCTURE.
8. DESIGN OF THE SUPPORT STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE BUILDING DESIGNER AND SHALL BE DESIGNED FOR THE LOADS LISTED IN NOTE 5.
9. SCREW ANCHORS OR LAG SCREWS SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.



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LICENSE
No. 77945
STATE OF FLORIDA
PROFESSIONAL ENGINEER
8/11/2016

DWAYNE J. KORNISH, PE
2501 S. STATE HWY 121, SUITE 200
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